



TITLE V OPERATING PERMIT

Issued pursuant to Title 22a of the Connecticut General Statutes (CGS) and Section 22a-174-33 of the Regulations of Connecticut State Agencies (RCSA) and pursuant to the Code of Federal Regulations (CFR), Title 40, Part 70.

Title V Permit Number	172-0133-TV
Client/ Sequence /Town/Premises Numbers	7562 / 01 / 172 / 91
Date Issued	June 11, 2002
Expiration Date	June 11, 2007

Corporation:

Spartech Polycast Inc

Premises Location:

69 Southfield Avenue, Stamford, CT 06902

Name of Responsible Official and Title:

Mr. Larry French, REM, - Environmental, Health and Safety Coordinator

All the following attached pages, 2 through 34, are hereby incorporated by reference into this Title V Operating Permit.

ARTHUR J. ROCQUE, JR.
Arthur J. Rocque, Jr.
Commissioner

June 11, 2002
Date

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Upon expiration of this permit, the Permittee shall not continue to operate the subject source(s) unless he has filed a timely and sufficient renewal application has been filed in accordance with Section 22a-174-33 of the RCSA, and any other applicable provisions of law.

Glossary of Terms and Acronyms

TERM/ACRONYM	DEFINITION/DESCRIPTION
the Act	The Clean Air Act and subsequent amendments
AOS	Alternate Operating Scenario
ASC	Actual Stack Concentration
BAM	Bureau of Air Management
CAAA	Clean Air Act Amendments of 1990
CEM	Continuous Emission Monitor
CFR	Code of Federal Regulations
CP/OP	Construction Permit/Operating Permit
DEP	Department of Environmental Protection
EMU	Emission Unit
ERC	Emission Reduction Credit
EPA	Environmental Protection Agency
GEMU	Grouped Emission Unit
GPEE	General Permit to Construct and Operate a New or an Existing Emergency Engine
HAP	Hazardous Air Pollutant
MASC	Maximum Allowable Stack Concentration
MACT	Maximum Achievable Control Technology
NO _x	Nitrogen Oxides
NSPS	New Source Performance Standard
NSR	New Source Review
PERMIT	Permit to Construct and/or Operate issued under Section RCSA
RACT	Reasonably Achievable Control Technology
RMP	Risk Management Plan
RCSA	Regulations of Connecticut State Agencies
SOS	Standard Operating Scenario
SO _x	Sulfur Oxides
TSP	Total Suspended Particulate
TPY	Tons per Year
VOC	Volatile Organic Compounds

Title V Operating Permit

All conditions in Sections III, IV, VI and VI of this permit are enforceable by both the Administrator and the Commissioner unless otherwise specified. The Administrator or any citizen of the United States may bring an action to enforce all permit terms or conditions or requirements contained in Sections III, IV, and VI of this permit in accordance with the Clean Air Act (CAA), as amended.

Section I: Premises Information/Description

A. PREMISES INFORMATION

Nature of Business: Manufacture of cast acrylic sheets

Primary SIC: 3081

Other SIC:

Facility Mailing Address: 69 Southfield Avenue, Stamford, CT 06902

Telephone Number: 203-327-6010

B. PREMISES DESCRIPTION

Spartech Polycast ("Permittee") manufactures cast acrylic sheets of various size and thickness. Common uses of the Permittee's products included "unbreakable glass" security windows and windows and canopies for aerospace applications. The Permittee purchases liquid raw materials from chemical manufacturers. The raw materials are blended and heat-polymerized in casting machines that employ water-jackets to transfer heat to the castings. Following casting some products are "cross-linked" in curing ovens. Final product may be cut down to specific sizes and/or dipped in scratch resistant coating.

Since the Permittee has the potential to emit greater than ten (10) tons of methyl methacrylate per year, the Permittee operates a major stationary source of methyl methacrylate emissions. While methyl methacrylate is a volatile organic compound, total VOC emissions appear to be less than 25 tons per year. Therefore, the Permittee does not operate a major stationary source of VOC. All other pollutants appear to be emitted in quantities less than the major stationary source thresholds.

Section II: Emissions Units Information

A. EMISSIONS UNITS IDENTIFICATION: STANDARD OPERATING SCENARIO (SOS) AND ALTERNATIVE OPERATING SCENARIOS (AOS)

Emission units are set forth in Table II.A.1. It is not intended to incorporate by reference these NSR Permits, Orders, or Registrations into this Title V Operating Permit.

TABLE II.A.1: EMISSIONS UNIT DESCRIPTION			
Emissions Units (Emission Unit Group Nos.)	Emissions Unit Description	Control Unit Description	Permit, Order, or Registration Number*
EMU-001, EMU-002, (GEMU – 001)	Two (2) pairs of Miura Model EX-200 SG(0), 7.876 mmbtu/hr, natural gas fired boilers	None	172-0142-PERMIT 172-0143-PERMIT
EMU-003	Cummins KTAA19-G2/Onan 500 DFFB, diesel emergency engine and generator set	None	172-0079-PERMIT
EMU-004	Acrylic Polymerization Operation		172-0256-REG
EMU-005	Monomer Vacuum Transfer System	Fume Incinerator	172-0257-REG
EMU-006	Polysilicate Resin mixing, storing and coating operation	Catalytic Oxidizer	172-0156-PERMIT
EMU-008, EMU-009, EMU-010 (GEMU-002)	Three (3) Natural gas, Baking Ovens – Total Maximum Rated Capacity < 3.0 mmbtu/hr	None	n/a
EMU-011, EMU-012, EMU-013, EMU-014, EMU-015 (GEMU-003)	Five (5) Underground Storage Tanks and Four (4) Aboveground Storage Tanks – Tank capacities < 40,000 gallons per tank	None	n/a

(*) It is not intended to incorporate by reference these NSR Permits, Orders, or Registrations into this Title V Operating Permit.

The Permittee shall be allowed to operate under the following scenarios without notifying the Commissioner, provided that such operations are explicitly provided for and described in the table below. The Permittee shall record contemporaneously, the operating scenario under which each emissions unit is operating in a log to be kept at the subject premises.

TABLE II.A.2: EMISSIONS UNIT IDENTIFICATION, SOS AND AOS		
Identification of Operating Scenarios	Emissions Units Associated with the Scenarios	Description of Scenarios
SOS 1	ALL	Manufacture cast sheets of acrylic in various sizes and thickness

Section III: Applicable Requirements

The following tables contain summaries of applicable terms and conditions set forth in state and federally enforceable permits, statutes, and/or regulations for the operation of each identified Emissions Unit and Operating Scenario, regulated by this permit. Note: All conditions set forth in Section III of this permit are federally enforceable.

A. EMISSIONS UNITS 01 AND 02

Table III.A: EMISSION UNITS 01 and 02 (GEMU-00 1: Miura Model EX-200 SG(0) boilers)				
Condition No.	Operating Scenario	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/Citations
1	SOS 1	Fuel Type	The Permittee shall only burn natural gas having sulfur content less than 0.001%, by weight, in each of these emission units.	172-0142-PERMIT 172-0143-PERMIT RCSA 222a-174-19(a)
2	SOS 1	Maximum Fuel Firing Rate	The Permittee shall not allow the quantity of natural gas burned in any boiler in this emission unit group to exceed 7,850 cubic feet in any one hour.	172-0142-PERMIT 172-0143-PERMIT
3	SOS 1	Maximum Annual Fuel Consumption	The Permittee shall not allow the quantity of natural gas burned each emissions unit in this emissions unit group to exceed 65.1 million cubic feet during any period of twelve (12) consecutive months.	172-0142-PERMIT 172-0143-PERMIT
4	SOS 1	Maximum Annual Fuel Consumption	The Permittee shall not allow the total quantity of natural gas burned by the combination of emission units in GEMU-001 and EMU-006 to exceed 130.2 million cubic feet during any period of twelve (12) consecutive months.	172-0156-PERMIT
5	SOS 1	TSP Emissions, including PM-10	The Permittee shall not cause or allow the TSP emissions, including PM-10, from each emission unit in this emission unit group to exceed either of the following limits: i. 0.012 lb./mmbtu or ii. 0.39 tons/any period of twelve (12) consecutive months	172-0142-PERMIT 172-0143-PERMIT
6	SOS 1	SOx Emissions	The Permittee shall not cause or allow the SOx emissions from each emission unit in this emission unit group to exceed either of the following limits: i. 0.001 lb./mmbtu or ii. 0.02 tons/any period of twelve (12) consecutive months	172-0142-PERMIT 172-0143-PERMIT
7	SOS 1	NOx Emissions	The Permittee shall not cause or allow the NOx emissions from each emission unit in this emission unit group to exceed either of the following limits: i. 0.152 lb./mmbtu or ii. 4.96 tons/any period of twelve (12) consecutive months	172-0142-PERMIT 172-0143-PERMIT
8	SOS 1	VOC Emissions	The Permittee shall not cause or allow the VOC emissions from each emission unit in this emission unit group to exceed either of the following limits: i. 0.003 lb./mmbtu or ii. 0.10 tons/any period of twelve (12) consecutive months	172-0142-PERMIT 172-0143-PERMIT

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A. EMISSIONS UNITS 01 AND 02

Table III.A: EMISSION UNITS 01 AND 02 (GEMU-00 1: Miura Model EX-200 SG(0) boilers)				
Condition No.	Operating Scenario	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/Citations
9	SOS 1	CO emissions	The Permittee shall not cause or allow the CO emissions from each emission unit in this emission unit group to exceed either of the following limits: i. 0.10 lb./mmbtu or ii. 3.23 tons/any period of twelve (12) consecutive months	172-0142-PERMIT 172-0143-PERMIT
10	SOS 1	Formaldehyde Emissions	The Permittee shall not cause or allow emissions of Formaldehyde from each emission unit in this emission unit group to exceed either of the following limits: i. 8.82×10^{-11} lb./mmbtu or ii. the Maximum Allowable Stack Concentration determined pursuant to the provisions of Section 22a-174-29 of the RCSA	172-0142-PERMIT 172-0143-PERMIT RCSA §22a-174-29
11	SOS 1	PAH Emissions	The Permittee shall not cause or allow emissions of PAH from each emission unit in this emission unit group to exceed either of the following limits: i. 6.50×10^{-13} lb./mmbtu or ii. the Maximum Allowable Stack Concentration determined pursuant to the provisions of Section 22a-174-29 of the RCSA	172-0142-PERMIT 172-0143-PERMIT RCSA §22a-174-29

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B. EMISSIONS UNIT 003

Table III.B: EMISSIONS UNIT 003 (Onan 500 DFFB Cummins KTAA19-G2, diesel emergency engine and generator set)				
Condition No.	Operating Scenario	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/Citations
12	SOS 1	Fuel Type and Sulfur content	The Permittee shall only burn #2 fuel oil or diesel fuel, each having a sulfur content of no more than 0.3% by weight, in this emission unit.	172-0079-PERMIT C.G.S. 316a-21a
13	SOS 1	Maximum Fuel Firing Rate	The Permittee shall not cause or allow the quantity of #2 fuel oil and/or diesel fuel burned in this emission unit to exceed 34.9 gallons in any hour.	172-0079-PERMIT
14	SOS 1	Annual Fuel Consumption	The Permittee shall not cause or allow the total quantity of #2 fuel oil and/or diesel fuel burned in this emission unit to exceed 16,500 gallons during any period of twelve (12) consecutive months.	172-0079-PERMIT
15	SOS 1	TSP Emissions, including PM-10	The Permittee shall not cause or allow TSP emissions, including PM-10, from this emission unit to exceed any of the following limits: i. 0.198 lb./hr; ii. 0.040 lb./mmbtu; or iii. 0.047 tons per any period of twelve (12) consecutive months	172-0079-PERMIT
16	SOS 1	SOx Emissions	The Permittee shall not cause or allow SOx emissions from this emission unit to exceed any of the following limits: i. 1.487 lb./hr; ii. 0.303 lb./mmbtu; or iii. 0.351 tons per any period of twelve (12) consecutive months	172-0079-PERMIT
17	SOS 1	NOx	The Permittee shall not cause or allow NOx emissions from this emission unit to exceed any of the following limits: i. 18.833 lb./hr; ii. 3.843 lb./mmbtu; or iii. 4.452 tons per any period of twelve (12) consecutive months	172-0079-PERMIT
18	SOS 1	VOC	The Permittee shall not cause or allow VOC emissions from this emission unit to exceed any of the following limits: i. 0.595 lb./hr; ii. 0.121 lb./mmbtu; or iii. 0.141 tons per any period of twelve (12) consecutive months	172-0079-PERMIT

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B. EMISSIONS UNIT 003, continued

Table III.B: EMISSIONS UNIT 003 (Onan 500 DFFB Cummins KTAA19-G2, diesel emergency engine and generator set)				
Condition No.	Operating Scenario	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/Citations
19	SOS 1	CO Emissions	The Permittee shall not cause or allow CO emissions from this emission unit to exceed any of the following limits: i. 2.083 lb./hr; ii. 0.425 lb./mmbtu; or iii. 0.492 tons per any period of twelve (12) consecutive months	172-0079-PERMIT
20	SOS 1	Sulfuric Acid Emissions	The Permittee shall not allow the sulfuric acid emissions from this emission unit to exceed any of the following limits: i. 0.025 lb/hr; ii. 0.005 lb./mmbtu; iii. 1569.15 µg/m ³ ; or iv. 0.006 tons per period of twelve (12) consecutive months.	172-0079-PERMIT

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C. EMISSION UNIT 004

Table III.C: EMISSIONS UNIT 004 (Polymerization Operations)				
Condition No.	Operating Scenario	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/Citations
21	SOS 1	Organic Material	The Permittee shall not cause or allow emissions of organic material from any equipment, article or contrivance included in this emission unit in which any organic solvent or any material containing organic solvent comes in contact with flame or is baked, heat-cured or heat polymerized, in the presence of oxygen, to exceed any of the following limits: i. 8 pounds in any one hour or ii. 40 pounds in any one day	RCSA 22a-174-20(f)(1)
22	SOS 1	Organic Material	The Permittee shall not cause or allow emissions of organic material from any article or machine, other than types of machines described in subdivision (f)(1) of Section 22a-174-20 of the RCSA and Condition 20 of this Permit, for employing or applying any highly photochemically reactive solvent, as defined in subdivision (i)(1) of (i)(2) of Section 22a-174-20 of the RCSA, to exceed any of the following limits: i. 8 pounds in any one hour or ii. 40 pounds in any one day	RCSA 22a-174-20(f)(2)

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D. EMISSION UNIT 005

Table III.D: EMISSIONS UNIT 005 (Monomer Vacuum Transfer System and Fume Incinerator)				
Condition No.	Operating Scenario	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/Citations
23	SOS 1	TSP Emissions, including PM-10	The Permittee shall not cause or allow TSP Emissions, including PM-10, to exceed 0.4 lbs/1000 pounds of flue gas, adjusted to 50% excess air	RCSA 22a-174-18(c)(3)(i)
24	SOS 1	Incinerator Operating Temperature	The Permittee shall maintain a fume incinerator operating temperature of at least 1350 °F at all times during which the monomer vacuum transfer system is discharging.	RCSA 22a-174-33(j)(1)(H)
25	SOS 1	Residence Time	The Permittee shall not cause or permit the residence time of waste gases passing through the fume incinerator to be less than 0.45 seconds.	RCSA 22a-174-33(j)(1)(H)

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E. EMISSION UNIT 006

Table III.E: EMISSIONS UNIT 006 (Polysilicate Resin mixing, storing and coating operation and catalytic oxidizer)				
Condition No.	Operating Scenario	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/Citations
26	SOS 1	VOC Emissions Capture Efficiency	The Permittee shall operate this emission unit and control device in such a manner as to capture 100% of VOC emissions from dip coating and drying of acrylic sheets.	172-0156-PERMIT
27	SOS 1	VOC Emissions Destruction Efficiency	The Permittee shall operate this emission unit and control device in such a manner as to reduce at least 90% of captured VOC emissions to carbon dioxide and water.	172-0156-PERMIT
28	SOS 1	Material Consumption	The Permittee shall not cause or allow the consumption of greater than 17,000 gallons of polysilicate resin coating during any period of twelve consecutive months where consumption is defined as: the difference between polysilicate resin material added to the process and spent process material disposed of as waste or by-product during each and every period of twelve (12) consecutive months.	172-0156-PERMIT
29	SOS 1	Minimum Catalyst Media Operating Temperature	The Permittee shall not cause or allow operation of this emission unit when the catalyst media operating temperature is less than the temperature determined to be indicative of compliance with the VOC destruction efficiency requirements of Permit #172-0156 during the most recent compliance test performed on the unit.	170-0156-PERMIT
30	SOS 1	Fuel Type	The Permittee shall only operate the catalytic oxidizer using natural gas, having a sulfur content less than 1%, by weight	172-0156-PERMIT, RCSA 222a-174-19(a)
31	SOS 1	Annual Fuel Consumption	The Permittee shall not cause or allow the total quantity of natural gas burned in GEMU-001 and EMU-006 to exceed 130.2 million cubic feet during any period of twelve (12) consecutive months.	172-0156-PERMIT
32	SOS 1	TSP Emissions, including PM-10	The Permittee shall not cause or allow TSP emissions, including PM-10, from the combustion of fuel in this emission unit to exceed 0.012 lb./mmbtu.	172-0156-PERMIT
33	SOS 1	SOx Emissions	The Permittee shall not cause or allow SOx emissions from the combustion of fuel in this emission unit to exceed 0.001 lb./mmbtu.	172-0156-PERMIT

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E. EMISSION UNIT 006, continued

Table III.E: EMISSIONS UNIT 006 (Polysilicate Resin mixing, storing and coating operation and catalytic oxidizer)				
Condition No.	Operating Scenario	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/Citations
34	SOS 1	NOx Emissions	The Permittee shall not cause or permit NOx emissions from the combustion of fuel in this emission unit to exceed 0.100 lb./mmbtu.	172-0156-PERMIT
35	SOS 1	VOC Emissions	The Permittee shall not cause or permit VOC emissions from the combustion of fuel in this emission unit to exceed 0.005 lb/mmbtu.	172-0156-PERMIT
36	SOS 1	CO Emissions	The Permittee shall not cause or permit CO emissions from the combustion of fuel in this emission unit to exceed 0.10 lb./mmbtu.	172-0156-PERMIT
37	SOS 1	TSP Emissions, including PM-10	The Permittee shall not cause or permit the total quantity of TSP emissions, including PM-10, from the operation of this emission unit and GEMU-001 to exceed 0.7 tons per any period of twelve consecutive months.	172-0156-PERMIT
38	SOS 1	SOx Emissions	The Permittee shall not cause or permit the total quantity of SOx emissions from the operation of this emission unit and GEMU-001 to exceed 0.04 tons per any period of twelve(12) consecutive months.	172-0156-PERMIT
39	SOS 1	NOx Emissions	The Permittee shall not cause or permit the total quantity of NOx emissions from the operation of this emission unit and GEMU-001 to exceed 9.92 tons per any period of twelve (12) consecutive months.	170-0156-PERMIT
40	SOS 1	VOC Emissions	The Permittee shall not cause or permit the total quantity of VOC emissions from the operation of this emission unit and GEMU-001 to exceed 4.99 tons per any period of twelve (12) consecutive months.	170-0156-PERMIT
41	SOS 1	CO Emissions	The Permittee shall not cause or permit the total quantity of CO emissions from the operation of this emission unit and GEMU-001 to exceed 6.46 tons per any period of twelve (12) consecutive months.	170-0156-PERMIT
42	SOS 1	Methanol Emissions	The Permittee shall not cause or allow the emissions of Methanol from this emission unit to exceed either of the following limits: i. 0.848 tons per any period of twelve consecutive months or ii. the Maximum Allowable Stack Concentration determined pursuant to the provisions of Section 22a-174-29 of the RCSA	170-0156-PERMIT

Section III: Applicable Requirements

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E. EMISSION UNIT 006, continued

Table III.E: EMISSIONS UNIT 006 (Polysilicate Resin mixing, storing and coating operation and catalytic oxidizer)				
Condition No.	Operating Scenario	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/Citations
43	SOS 1	Isopropyl Alcohol	The Permittee shall not cause or allow the emissions of Isopropyl Alcohol to from this emission unit to exceed either of the following limits: i. 3.484 tons per period of twelve consecutive months or ii. the Maximum Allowable Stack Concentration determined pursuant to the provisions of Section 22a-174-29 of the RCSA	170-0156-PERMIT
44	SOS 1	Acetic Acid	The Permittee shall not cause or allow emissions of Acetic Acid from this emission unit to exceed either of the following limits: i. 0.467 tons per period of twelve consecutive months or ii. the Maximum Allowable Stack Concentration determined pursuant to the provisions of Section 22a-174-29 of the RCSA	170-0156-PERMIT

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F. PREMISES-WIDE GENERAL REQUIREMENTS

Table III.F: PREMISES-WIDE GENERAL REQUIREMENTS			
Condition No.	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References /Citations
45	Opacity	<ul style="list-style-type: none"> i. The Permittee shall operate all emissions units so that opacity shall not exceed 20% [average of 24 hour consecutive observations (set) recorded at 15 minute intervals – minimum of 3 sets per 60 minute period], and ii. The Permittee shall operate all emissions units so that opacity shall not exceed 40% for any longer than 5 minutes (aggregated) during any 60 -minute period. 	RCSA §22a-174-18(a)(1)
46	Emergency Episode Procedures	The Permittee shall comply with the procedures for emergency episodes as specified in RCSA §22a-174-6.	RCSA §22a-174-6
47	Public Availability of Information	The public availability of information shall apply, as specified in RCSA 22a-174-10.	RCSA §22a-174-10
48	Prohibition against Concealment/circumvention	The Permittee shall comply with the prohibition against concealment or circumvention as specified in RCSA 22a-174-11.	RCSA §22a-174-11
49	Emission Fees	The Permittee shall pay an emission fee in accordance with RCSA §22a-174-26(d).	RCSA §22a-174-26
50	TSP	The Permittee shall operate all fuel burning sources that are neither required to obtain stationary source registrations under RCSA §22a-174-2 nor required to obtain permits under RCSA §22a-174-3 so that the TSP emissions from each unit shall not exceed 0.200 lbs/mmbtu of heat input.	RCSA §22a-174-18(d)
51	Sulfur Content of Fuel	The Permittee shall not burn any fuel having a sulfur content greater than the following: <ul style="list-style-type: none"> i. 0.3 %, by weight, for No. 2 Fuel oil, unless otherwise limited by permit or order of the Commissioner ii. # 1%, by weight, for all other fuels unless otherwise limited by permit or order of the Commissioner 	C.G.S. §16a-21a RCSA §22a-174-19(a)
52	Hazardous Air Pollutants regulated under Section 112(r) of the ACT	Should this stationary source, as defined in 40 CFR Section 68.3 become subject to the accidental release prevention regulations in Part 68, then the Permittee shall submit a risk management plan (RMP) pursuant to 40 CFR Section 68.12 by the date specified in Section 68.10 and shall certify compliance with the requirements of Part 68 as part of the annual compliance certification as required by 40 CFR Section 70.6	40 CFR 68, 40 CFR 70

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G. MAINTENANCE AND OPERATIONS REQUIREMENTS

TABLE III.G: MAINTENANCE AND OPERATIONS REQUIREMENTS				
Condition No.	Emission Unit or Emission Unit Group	Operating Scenario	Maintenance and Operations Requirements	Applicable Regulatory References/Citations
53	EMU-003	SOS 1	<p>The Permittee shall only operate this emission unit in response to emergency situations as defined below:</p> <ul style="list-style-type: none"> i. Complete failure of commercial power; ii. A low voltage condition below equipment operating tolerances, i.e., brown out; iii. Voluntary shutdown of commercial power to repair malfunctioning equipment while generators supply power to remaining equipment; or iv. Operation for periodic maintenance and testing of the unit (this is allowed to ensure efficient operating performance and minimal air emission). 	172-0079-PERMIT
54	EMU-005	SOS 1	The Permittee shall operate the fume incinerator at all times during which the monomer vacuum system is discharging.	RCSA 22a-174-33(j)(1)(H)
55	EMU-006	SOS 1	The Permittee shall perform all dipping and drying operations in an enclosed space where the pressure within the enclosed space is less than the barometric pressure of the environment immediately surrounding the enclosed space.	172-0156-Permit
56	EMU-006	SOS 1	The Permittee shall operate the catalytic oxidizer, in accordance with the provisions of Permit #172-0156, at all times during which dipping and drying operations are occurring.	172-0156-Permit
57	EMU-006	SOS 1	The Permittee shall perform periodic maintenance activities according to a documented maintenance and operations plan.	172-0156-Permit

Section IV: Compliance Demonstration

The following tables contain compliance demonstrations for each identified Pollutant, Emissions Unit, and Alternative Operating Scenario regulated by this permit.

A. MONITORING AND TESTING REQUIREMENTS

TABLE IV.A: MONITORING AND TESTING REQUIREMENTS				
Condition No.	Operating Scenario	Pollutants or Process Parameters	Emission Unit # or Emission Unit Group #	Monitoring and Testing Requirements (Applicable Regulatory References/Citations)
58	SOS 1	VOC Emissions	EMU-004	<p>i. Within (6) calendar months of the date of issuance of this permit, the Permittee shall submit an Intent to Test (ITT) form and a testing protocol detailing the performance of stack emissions testing to determine the VOC capture efficiency of and the total VOC emissions from the exhaust system to which EMU-004 is connected. The test protocol shall be consistent with the Bureau's Emission Source Test Guideline specifying the test methodology to be followed and the conditions under which the polymerization process will be operated. The Permittee shall demonstrate to the Commissioner's satisfaction that the operating conditions specified in the testing protocol are representative of at least 90% of the maximum rated capacity of the polymerizing operations. {RCSA �22a-174-4, RCSA �22a-174-5}</p> <p>ii. All proposed test methods shall comply with appropriate Federal test methods or methods acceptable to the Bureau. The ITT package must demonstrate compliance with applicable requirements of the Code of Federal Regulations (CFR) Title 40 Parts 51, 60 and 61. Any proposed test methods that deviate from those specified in these regulations must be approved by the Bureau prior to stack testing. All sampling ports shall be installed and located in compliance with 40 CFR Part 60 Appendix A, Method 1. Final plans showing the location of all sampling ports shall be submitted with the ITT package to the Air Bureau's Stack Test Group for approval prior to stack testing. Please submit an original and one copy of the ITT package to: Director of Engineering and Technical Services, Bureau of Air Management, 79 Elm Street, 5th Floor, Hartford, Connecticut 06106-5127. {RCSA �22a-174-4, RCSA �22a-174-5}</p>

Section IV: Compliance Demonstration

The following tables contain compliance demonstrations for each identified Pollutant, Emissions Unit, and Alternative Operating Scenario regulated by this permit.

A. MONITORING AND TESTING REQUIREMENTS, continued

TABLE IV.A: MONITORING AND TESTING REQUIREMENTS				
Condition No.	Operating Scenario	Pollutants or Process Parameters	Emission Unit # or Emission Unit Group #	Monitoring and Testing Requirements (Applicable Regulatory References/Citations)
59	SOS 1	VOC Emissions	EMU-004	<p>i. An inspection of the source may be conducted to verify that appropriate instrumentation is available for the purposes of determining the VOC capture efficiency and total VOC emissions from this emission unit during stack testing. Once the ITT package is approved, the owner/operator shall be notified, in writing, by the Bureau's Stack Test Group. {RCSA 22a-174-4, RCSA 22a-174-5}</p> <p>ii. The source test must be scheduled, monitored by Bureau personnel, and completed within sixty (60) days from the date of Commissioner's approval of the proposed ITT package. It is the source's responsibility to conduct preparatory testing for tuning or debugging purposes prior to the Bureau-monitored stack testing. During testing, the polymerization operation shall be operated as limited by applicable standard, statute, and regulation and in accordance with the operating conditions specified in the testing protocol that was submitted as required by this permit and approved by the Commissioner. A complete test report shall be submitted to the Bureau within forty-five (45) days of the completion of emissions testing. Such report shall include a determination of the exhaust system capture efficiency and the quantity of VOC emissions observed during the test. The Permittee shall respond to any test report deficiency within fifteen (15) days of notification by the Bureau. {RCSA 22a-174-4, RCSA 22a-174-5}</p>
60	SOS 1	VOC Destruction Efficiency	EMU-006	The Permittee shall perform an initial stack emissions test to determine the VOC capture and destruction efficiency of the catalytic oxidizer. Such test shall be performed in accordance with the requirements of Part II.B and Appendix B of Permit # 172-0156. {172-0156-Permit}
61	SOS 1	VOC Destruction Efficiency	EMU-006	The Permittee shall perform a stack emissions test after each block of 8,760 hours of oxidizer operation, counted from the most recent emissions test, to determine the VOC capture and destruction efficiency of the unit. Such testing shall be performed in accordance with the requirements of Part II.B and Appendix C of Permit #172-0156. {172-0156-Permit}

Section IV: Compliance Demonstration

The following tables contain compliance demonstrations for each identified Pollutant, Emissions Unit, and Alternative Operating Scenario regulated by this permit.

A. MONITORING AND TESTING REQUIREMENTS, continued

TABLE IV.A: MONITORING AND TESTING REQUIREMENTS				
Condition No.	Operating Scenario	Pollutants or Process Parameters	Emission Unit # or Emission Unit Group #	Monitoring and Testing Requirements (Applicable Regulatory References/Citations)
62	SOS 1	Catalyst Operating Temperature	EMU-006	The Permittee shall continuously monitor the operating temperature within the catalyst media. {172-0156-Permit}
63	SOS 1	Catalyst Operating Temperature	EMU-006	<ul style="list-style-type: none"> i. The Permittee shall test the temperature monitoring device after each block of 4,380 hours of oxidizer operation, counted from the most recent temperature monitoring device testing event. {172-0156-PERMIT} ii. If the results of testing indicate a relative error equal to or greater than 1.5% (based on temperatures measured in degrees Fahrenheit), the Permittee shall repair or replace that portion of the temperature monitoring device responsible for the error within fifteen (15) days. {172-0156-PERMIT} iii. The Permittee shall re-test the temperature monitoring device within three (3) days of completing each repair or replacement event. {172-0156-PERMIT}
64	SOS 1	Fuel Consumption	EMU-001	The Permittee shall monitor the total quantity of natural gas burned in this pair of boilers during each calendar month. {172-0142-PERMIT}
65	SOS 1	Fuel Consumption	EMU-002	The Permittee shall monitor the total quantity of natural gas burned in this pair of boilers during each calendar month. {172-0143-PERMIT}
66	SOS 1	Fuel Consumption	EMU-003, EMU-005, EMU-006	The Permittee shall monitor the type and quantity of fuel burned in each of these emission units during each calendar month. {RCSA 22a-174-4(a)}
67	SOS 1	Material Throughput	Premises-wide	The Permittee shall monitor the quantities of all monomers, co-monomers, additives, coloring agents, and any other process materials purchased and/or received during each calendar month. {RCSA 22a-174-4(a)}
68	SOS 1	Material Throughput	Premises-wide	During each calendar month, the Permittee shall monitor the quantities of all monomers, co-monomers, additives, coloring agents, and any other process materials that would have been used in the formulation of acrylic products but were removed from these premises as solid or hazardous waste. {RCSA 22a-174-4(a)}

Section IV: Compliance Demonstration

The following tables contain compliance demonstrations for each identified Pollutant, Emissions Unit, and Alternative Operating Scenario regulated by this permit.

A. MONITORING AND TESTING REQUIREMENTS, continued

TABLE IV.A: MONITORING AND TESTING REQUIREMENTS				
Condition No.	Operating Scenario	Pollutants or Process Parameters	Emission Unit # or Emission Unit Group #	Monitoring and Testing Requirements (Applicable Regulatory References/Citations)
69	SOS 1	Material Throughput	EMU-006	The Permittee shall monitor the quantity of materials consumed in the process of mixing polysilicate resin and used for cleaning the equipment specified in Permit #172-0156 during each calendar month. {172-0156-PERMIT}
70	SOS 1	Material Throughput	EMU-006	The Permittee shall monitor the quantity of materials disposed of as manifested waste from the production, storage, and use of polysilicate resin and from cleaning equipment used in the polysilicate resin mixing, storage, and coating operation. {172-0156-PERMIT}
71	SOS 1	Operating Hours	EMU-006	The Permittee shall monitor the total amount of time during which this emission unit is operated. {RCSA 22a-174-4(a), 172-056-PERMIT}
72	SOS 1	Fume Incinerator Operating Temperature	EMU-005	The Permittee shall install and operate a temperature indicating device capable of continuously monitoring and recording the operating temperature of the fume incinerator used to control emissions from the monomer vacuum system. {RCSA 22a-174-33(j)(1)(H)}
73	SOS 1	Fume Incinerator Operating Temperature	EMU-005	The Permittee shall continuously monitor the operating temperature of the fume incinerator used to control emissions from the monomer vacuum system. {RCSA 22a-174-33(j)(1)(H)}

Section IV: Compliance Demonstration

The following tables contain compliance demonstrations for each identified Pollutant, Emissions Unit, and Alternative Operating Scenario regulated by this permit.

B. RECORD KEEPING REQUIREMENTS

TABLE IV. B: RECORD KEEPING REQUIREMENTS				
Condition No.	Operating Scenario	Pollutants or Process Parameters	Emission Unit # or Emission Unit Group #	Record Keeping Requirements (Applicable Regulatory References/Citations)
74	SOS 1	Fuel Consumption	GEMU-001	The Permittee shall record the monthly and the annual consumption of natural gas in each pair of boilers in this emission unit group. The annual consumption of natural gas for each pair of boilers shall be defined for each month as the sum of the month's consumption and the fuel consumption for the previous eleven (11) consecutive months. Such records shall include the date of the recording period, emission unit number, and the monthly and annual natural gas consumption for each pair of boilers. Such records shall be generated by the 15 th day of each month for operations occurring during the preceding months. {172-0142-PERMIT, 172-0143-PERMIT, RCSA § 22a-174-4(a)}
75	SOS 1	Fuel Consumption	EMU-003, EMU-006	The Permittee shall record the monthly and annual consumption of fuel in these emission units. The annual fuel consumption for each month shall be defined as the sum of the month's fuel consumption and the fuel consumption for the previous eleven (11) consecutive months. Such records shall include the date of the recording period, the emission unit number, and the monthly and annual fuel consumption. Such records shall be generated by the 15 th day of each month for operations occurring during the preceding months. {172-0079-PERMIT, 172-0156-PERMIT, RCSA § 22a-174-4(a)}
76	SOS 1	Material Consumption	Premises-wide	The Permittee shall record the quantities of monomer, co-monomers, additives, coloring agents and any other process materials used in the formulation of acrylic products purchased during each calendar month. Such records shall include the dates of the recording period, the name of each process material, and the quantity of each material expressed in pounds. Such records shall be generated by the 15 th day of each month for purchases made during the preceding month. {RCSA § 22a-174-4(a)}
77	SOS 1	Material Consumption	Premises-wide	For each calendar month, the Permittee shall record the quantities of monomer, co-monomer, additives, coloring agents and any other process materials that would have been used in the formulation of acrylic products but were disposed of as waste or by-product without having been subjected to the polymerization process. Such records shall include the dates of the recording period, the name of the each material disposed of as waste, and the quantity of each material disposed of as waste expressed in pounds. Such records shall be generated by the 15 th day of each month for purchases made during the preceding month. {RCSA § 22a-174-4(a)}

Section IV: Compliance Demonstration

The following tables contain compliance demonstrations for each identified Pollutant, Emissions Unit, and Alternative Operating Scenario regulated by this permit.

B. RECORD KEEPING REQUIREMENTS, continued

TABLE IV. B: RECORD KEEPING REQUIREMENTS, continued				
Condition No.	Operating Scenario	Pollutants or Process Parameters	Emission Unit # or Emission Unit Group #	Record Keeping Requirements (Applicable Regulatory References/Citations)
78	SOS 1	Material Consumption	EMU-006	The Permittee shall maintain a list or catalogue of all materials used in the formulation of polysilicate resin and/or used to clean EMU-006. Such list or catalogue shall include the material safety data sheet for each material. {172-0156-PERMIT}
79	SOS 1	Material Consumption	EMU-006	The Permittee shall maintain records of the total quantity of each material purchased for use in the formulation of polysilicate resin and/or used to clean EMU-006 during each calendar quarter. Such records shall be generated by the 15 th day of the month immediately following the close of each calendar quarter. {172-0156-PERMIT, RCSA 22a-174-4(a)}
80	SOS 1	Catalyst Operating Temperature	EMU-006	The Permittee shall continuously record the operating temperature of the catalyst media. Such records shall indicate the date and the operating hours of EMU-006. {172-0156-PERMIT}
81	SOS 1	Stack Emission Test Results	EMU-004, EMU-006	The Permittee shall retain copies of reports and results from each and every stack test performed on each of these emission units during the life of this permit. All copies shall be retained for not less than five (5) years from the date on which the reports and results were created. {172-0156-PERMIT, RCSA 22a-174-4(a)}
82	SOS 1	VOC Load	EMU-006	The Permittee shall calculate the average hourly VOC loading to the catalytic oxidizer for each month. Average hourly VOC loading shall be calculated by subtracting the amount of VOC in mixed polysilicate resin disposed of as waste or by-product from the amount of VOC in polysilicate resin used for coating purposes each month and then dividing that amount by the total hours of operation of EMU-006 for that month. Such records shall include the start and end dates of the recording period and the average hourly VOC loading. Such records shall be generated by the 15 th day of the month for operations occurring during the previous month. {172-0156-PERMIT, RCSA 22a-174-4(a)}

Section IV: Compliance Demonstration

The following tables contain compliance demonstrations for each identified Pollutant, Emissions Unit, and Alternative Operating Scenario regulated by this permit.

B. RECORD KEEPING REQUIREMENTS, continued

TABLE IV. B: RECORD KEEPING REQUIREMENTS, continued				
Condition No.	Operating Scenario	Pollutants or Process Parameters	Emission Unit # or Emission Unit Group #	Record Keeping Requirements (Applicable Regulatory References/Citations)
83	SOS 1	TSP emissions, including PM-10	EMU-001, EMU-002, EMU-003, EMU-005	Based on fuel use and process material consumption, the Permittee shall calculate and record the monthly and the annual emissions of TSP, including PM-10, from each of these emission units. Annual emissions of TSP, including PM-10, shall be defined for each month as the sum of the month's TSP emissions and the TSP emissions from each of previous eleven (11) consecutive months. Such records shall include the dates of the recording period, the monthly emissions specified in units of tons per month, the annual emissions specified in units of tons per year, and the method used to calculate monthly and annual emissions. Such records shall be generated by the 15 th day of the month for operations occurring during the previous months. {172-0142-PERMIT, 172-0143-PERMIT, 172-0079-PERMIT, RCSA 22a-174-4(a)}.
84	SOS 1	SOx Emissions	EMU-001, EMU-002, EMU-003, EMU-005	Based on fuel use and process material consumption, the Permittee shall calculate and record the monthly and annual emissions of SOx, from each of these emissions units. Annual emissions of SOx shall be defined for each month as the sum of the month's SOx emissions and the SOx emissions from the previous eleven (11) consecutive months. Such records shall include the dates of the recording period, the monthly emissions specified in units of tons per month, the annual emissions specified in units of tons per year, and the method used to calculate monthly and annual emissions. Such records shall be generated by the 15 th day of the month for operations occurring during the previous months. {172-0142-PERMIT, 172-0143-PERMIT, 172-0079, RCSA 22a-174-4(a)}.
85	SOS 1	NOx Emissions	EMU-001, EMU-002, EMU-003, EMU-005	Based on fuel use and process material consumption, the Permittee shall calculate and record the monthly and annual emissions of NOx, from each of these emissions units. Annual emissions of NOx shall be defined for each month as the sum of the month's NOx emissions and the NOx emissions from the previous eleven (11) consecutive months. Such records shall include the dates of the recording period, the monthly emissions specified in units of tons per month, the annual emissions specified in units of tons per year, and the method used to calculate monthly and annual emissions. Such records shall be generated by the 15 th day of the month for operations occurring during the previous months. {172-0142-PERMIT, 172-0143-PERMIT, 172-0079, RCSA 22a-174-4(a)}.

Section IV: Compliance Demonstration

The following tables contain compliance demonstrations for each identified Pollutant, Emissions Unit, and Alternative Operating Scenario regulated by this permit.

B. RECORD KEEPING REQUIREMENTS, continued

TABLE IV. B: RECORD KEEPING REQUIREMENTS, continued				
Condition No.	Operating Scenario	Pollutants or Process Parameters	Emission Unit # or Emission Unit Group #	Record Keeping Requirements (Applicable Regulatory References/Citations)
86	SOS 1	CO Emissions	EMU-001, EMU-002, EMU-003, EMU-005	Based on fuel use and process material consumption, the Permittee shall calculate and record the monthly and annual emissions of CO, from each of these emissions units. Annual emissions of CO shall be defined for each month as the sum of the month's CO emissions and the CO emissions from the previous eleven (11) consecutive months. Such records shall include the dates of the recording period, the monthly emissions specified in units of tons per month, the annual emissions specified in units of tons per year, and the method used to calculate monthly and annual emissions. Such records shall be generated by the 15 th day of the month for operations occurring during the previous months. {172-0142-PERMIT, 172-0143-PERMIT, 172-0079, RCSA 22a-174-4(a)}.
86	SOS 1	VOC Emissions	EMU-001, EMU-002, EMU-003, EMU-004, EMU-005, EMU-006	Based on fuel use, stack emission test results, and process material consumption, the Permittee shall calculate and record the monthly and annual emissions of VOC, from each of these emissions units. Annual emissions of VOC shall be defined for each month as the sum of the month's VOC emissions and the VOC emissions from the previous eleven (11) consecutive months. Such records shall include the dates of the recording period, the monthly emissions specified in units of tons per month, the annual emissions specified in units of tons per year, and the method used to calculate monthly and annual emissions. Such records shall be generated by the 15 th day of the month for operations occurring during the previous months. {172-0142-PERMIT, 172-0143-PERMIT, 172-0079, RCSA 22a-174-4(a)}.

Section IV: Compliance Demonstration

The following tables contain compliance demonstrations for each identified Pollutant, Emissions Unit, and Alternative Operating Scenario regulated by this permit.

B. RECORD KEEPING REQUIREMENTS, continued

TABLE IV. B: RECORD KEEPING REQUIREMENTS, continued				
Condition No.	Operating Scenario	Pollutants or Process Parameters	Emission Unit # or Emission Unit Group #	Record Keeping Requirements (Applicable Regulatory References/Citations)
87	SOS 1	Methyl Methacrylate Emissions	EMU-001, EMU-002, EMU-003, EMU-004, EMU-005, EMU-006	Based on fuel use, stack emission test results, and process material consumption, the Permittee shall calculate and record the monthly and annual emissions of each and every HAP listed on Table I of Section 112 of the Clean Air Act and emitted from each of these emissions units. Annual emissions of each HAP shall be defined for each month as the sum of the month's emissions of that HAP and the emissions of that HAP from the previous eleven (11) consecutive months. Such records shall include the dates of the recording period, the monthly emissions specified in units of tons per month, the annual emissions specified in units of tons per year, and the method used to calculate monthly and annual emissions. Such records shall be generated by the 15 th day of the month for operations occurring during the previous months. {172-0142-PERMIT, 172-0143-PERMIT, 172-0079, RCSCA 22a-174-4(a)}.
88	SOS 1	Equipment Specifications	GEMU-003	The Permittee shall maintain records of the dimensions and capacity of each and every storage tank included in this emission unit group. {RCSCA 22a-174-4(a)}
89	SOS 1	Incinerator Operating Temperature	EMU-005	The Permittee shall continuously record the operating temperature of the fume incinerator used to control emissions from the monomer vacuum system. {RCSCA 22a-174-4(a)(2)}

Section IV: Compliance Demonstration

The following tables contain compliance demonstrations for each identified Pollutant, Emissions Unit, and Alternative Operating Scenario regulated by this permit.

C. REPORTING REQUIREMENTS

TABLE IV. C: REPORTING REQUIREMENTS				
Condition No.	Operating Scenario	Pollutants or Process Parameters	Emission Unit # or Emission Unit Group #	Record Keeping Requirements (Applicable Regulatory References/Citations)
90	SOS 1	TSP Emissions, including PM-10	Premises-Wide	The Permittee shall submit reports of annual emissions of TSP, including PM-10, on forms provided by the Commissioner. Such reports shall span a period of twelve (12) consecutive months designated by the Commissioner and shall be submitted at least once each calendar year. {RCSA 22a-174-4(c)}
91	SOS 1	SOx	Premises-Wide	The Permittee shall submit reports of annual SOx emissions on forms provided by the Commissioner. Such reports shall span a period of twelve (12) consecutive months designated by the Commissioner and shall be submitted at least once each calendar year. {RCSA 22a-174-4(c)}
92	SOS 1	NOx	Premises-Wide	The Permittee shall submit reports of annual NOx emissions on forms provided by the Commissioner. Such reports shall span a period of twelve (12) consecutive months designated by the Commissioner and shall be submitted at least once each calendar year. {RCSA 22a-174-4(c)}
93	SOS 1	VOC	Premises-Wide	The Permittee shall submit reports of annual VOC emissions on forms provided by the Commissioner. Such reports shall span a period of twelve (12) consecutive months designated by the Commissioner and shall be submitted at least once each calendar year. {RCSA 22a-174-4(c)}
94	SOS 1	CO	Premises-Wide	The Permittee shall submit reports of annual CO emissions on forms provided by the Commissioner. Such reports shall span a period of twelve (12) consecutive months designated by the Commissioner and shall be submitted at least once each calendar year. {RCSA 22a-174-4(c)}
95	SOS 1	HAP listed on Table 1 of Section 112 of the CAAA	Premises-Wide	The Permittee shall submit reports of annual emissions of each and every HAP listed on Table 1 of Section 112 of the CAAA and emitted from emission units on these premises. Such reports shall be submitted on forms provided by the Commissioner and shall span a period of twelve (12) consecutive months designated by the Commissioner and shall be submitted at least once each calendar year. {RCSA 22a-174-4(c)}

Section V: State Enforceable Special Terms and Conditions

Only the Commissioner of the Department of Environmental Protection has the authority to enforce the terms, conditions and limitations contained in this section.

- A. This permit does not relieve the Permittee of the responsibility to conduct, maintain and operate the emissions units in compliance with all applicable requirements of any other Bureau of the Department of Environmental Protection or any federal, local or other state agency. Nothing in this permit shall relieve the Permittee of other obligations under applicable federal, state and local law.
- B. Nothing in this permit shall affect the Commissioner's authority to institute any proceeding or take any other action to prevent or abate violations of law, prevent or abate pollution, investigate air pollution, recover costs and natural resource damages, and to impose penalties for violations of law, including but not limited to violations of this or any other permit issued to the Permittee by the Commissioner.
- C. **Odors:** The Permittee shall not cause or permit the emission of any substance or combination of substances which creates or contributes to an odor beyond the property boundary of the premises in accordance with the provisions of RCSA Section 22a-174-23. Failure to comply with this requirement may result in the assessment of civil penalties and/or the issuance of a State Order.
- D. **Noise:** The Permittee shall operate in compliance with the Department of Environmental Protection's regulations for the control of noise (RCSA 22a-69-1 through 22a-69-7.4 inclusive).
- E. **Open Burning:** The Permittee is prohibited from conducting open burning, except as may be allowed by C.G.S. 22a-174.
- F. **Fuel Sulfur Content:** The permittee shall not use #2 heating oil that exceeds three-tenths of one percent sulfur by weight as set forth in CGS Section 16a-21a.
- G. **Hazardous Air Pollutants:** For any emission unit that is not required to obtain a permit pursuant to the provisions of Section 22a-174-3 of the RCSA, the Permittee shall not allow the emission of any substance listed on Table 29-1 of Section 22a-174-29 of the RCSA to exceed the Maximum Allowable Stack Concentration (MASC) calculated in accordance with Section 22a-174-29 of the RCSA. For each such emission unit, the Permittee shall make and keep records demonstrating compliance with the provisions of Section 22a-174-29(b)(1) of the Regulations of Connecticut State Agencies.
- H. **Hazardous Air Pollutants:** For any emission unit that is regulated by a permit issued pursuant to Section 22a-174-3 obtain a permit pursuant to the provisions of Section 22a-174-3 of the RCSA, the Permittee shall not allow the emissions of any hazardous air pollutant specified in Section 22a-174-29 of the RCSA to exceed the Maximum Allowable Stack Concentration (MASC) calculated in accordance with Section 22a-174-29 of the RCSA. For each such emission unit, the Permittee shall make and keep records demonstrating compliance with the provisions of Section 22a-174-29(b)(2) of the Regulations of Connecticut State Agencies.

Section VII: Title V Requirements

The Administrator of the United States Environmental Protection Agency and the Commissioner of Environmental Protection have the authority to enforce the terms and conditions contained in these sections.

A. SUBMITTALS TO THE COMMISSIONER & ADMINISTRATOR

The date of submission to the Commissioner of any document required by this permit shall be the date such document is received by the Commissioner. The date of any notice by the Commissioner under this permit, including, but not limited to notice of approval or disapproval of any document or other action, shall be the date such notice is delivered or the date three days after it is mailed by the Commissioner, whichever is earlier. Except as otherwise specified in this permit, the word "day" means calendar day. Any document or action which is required by this permit to be submitted or performed by a date which falls on a Saturday, Sunday or legal holiday shall be submitted or performed by the next business day thereafter.

Any document required to be submitted to the Commissioner under this permit shall, unless otherwise specified in writing by the Commissioner, be directed to: Office of the Assistant Director; Compliance & Field Operations Division; Bureau of Air Management; Department of Environmental Protection; 79 Elm Street, 5th Floor; Hartford, Connecticut 06106-5127.

Any submittal to the Administrator of the U. S. Environmental Protection Agency shall be in a computer-readable format and addressed to: Director, Air Compliance Program; Attn: Air Compliance Clerk; Office of Environmental Stewardship; US EPA, Region 1; One Congress Street; Suite 1100 (SEA); Boston, MA 02114-2023.

B. CERTIFICATIONS [RCSA § 22a-174-33(b)]

In accordance with Section 22a-174-33(b) of the RCSA, any report or other document required by this Title V permit and any other information submitted to the Commissioner or Administrator shall be signed by an individual described in Section 22a-174-2a(a) of the RCSA, or by a duly authorized representative of such individual. Any individual signing any document pursuant to Section 22a-174-33(b) of the RCSA shall examine and be familiar with the information submitted in the document and all attachments thereto, and shall make inquiry of those individuals responsible for obtaining the information to determine that the information is true, accurate, and complete, and shall also sign the following certification as provided in Section 22a-3a-5(a)(2) of the RCSA:

"I have personally examined and am familiar with the information submitted in the documents and all attachments thereto and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that any false statement made in this document or its attachments may be punishable as a criminal offense in accordance with Connecticut General Statutes Section 22a-6, pursuant to Section 53a-157b of the Connecticut General Statutes.≡

C. AUTHORIZED REPRESENTATIVE [RCSA 22a-174-2a(a)]

If an authorization pursuant to Section 22a-174-33(b)(2) of the RCSA is no longer effective because a different individual or position has assumed the applicable responsibility, a new authorization satisfying the requirements of Section 22a-174-2a(a)(2) of the RCSA shall be submitted to the Commissioner prior to or together with the submission of any applications, reports, forms, compliance certifications, documents or other information which is signed by an individual or a duly authorized representative of such individual pursuant to Section 22a-174-2a(a)(2) of the RCSA.

Section VII: Title V Requirements

D. ADDITIONAL INFORMATION [RCSA 22a-174-33(j)(1)(X)]

The permittee shall submit any additional information, at the Commissioner's request, within thirty (30) days of the date of the request or such shorter time as is reasonable, including, but not limited to, any information that the Commissioner may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with the terms and conditions of this permit and all applicable statutes and regulations.

In addition, within fifteen days of the date the permittee becomes aware of a change in any information submitted to the Commissioner under this permit or of any change in any information contained in the application, or that any such information was inaccurate or misleading or that any relevant information was omitted, the permittee shall submit the changed, corrected, or omitted information to the Commissioner.

E. MONITORING REPORTS [RCSA § 22a-174-33(o)(1)]

A permittee, required to perform monitoring pursuant to this permit, shall submit to the Commissioner written monitoring reports in accordance with this permit. A written monitoring report shall be submitted every six months. The first report must be received by July 30 for the time period covering January 1 through June 30 of the same year. The second monitoring report must be received by January 30 for the time period covering July 1 through December 31 of the previous year. Such monitoring reports, in addition to a summary of data recorded by continuous monitoring systems and other requirements specified herein, shall provide the following:

1. the date and description of each deviation from the terms and conditions of the permit caused by upset or control equipment deficiencies, each deviation from a permit requirement, and each violation of a requirement of this permit that has been monitored by the monitoring systems required under this permit, which has occurred since the date of the last monitoring report; and
2. the date, duration, and description of each occurrence of a failure of the monitoring system to provide reliable data; and
3. the date, duration, and description of the upset or control equipment deficiency, including the cause thereof, and the remedial action taken.

F. PREMISES RECORDS [RCSA § 22a-174-33(o)(2)]

Unless otherwise required by this permit, the permittee shall maintain records of all required monitoring data and supporting information, and shall keep such records at the subject premises and make such records available for inspection and for copying by the Commissioner at the premises, for at least five years from the date such data and information were obtained. Such records shall be submitted to the Commissioner upon request. In addition to the other record keeping requirements specified herein, supporting information shall include:

1. the type of monitoring, which may include the record keeping, by which such monitoring data was obtained;
2. the date, place, and time of sampling or measurements;
3. the date(s) analyses of such samples or measurements were performed;
4. the name and address of the entity that performed the analyses;

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5. the analytical techniques or methods used for such analyses and sampling;
6. the results of such analyses;
7. the operating conditions at the subject source at the time of such sampling or measurement; and
8. all calibration and maintenance records relating to the instrumentation used in such sampling or measurements, all original strip-chart recordings or computer printouts generated by continuous monitoring instrumentation, and copies of all reports required by this Title V permit.

G. PROGRESS REPORTS [RCSA § 22a-174-33(q)(1)]

The permittee shall, on the schedule specified in this permit or every six months, whichever is more frequent, submit to the Commissioner and the Administrator progress reports in accordance with Section 22a-174-33(q)(1) and (3) of the RCSA which are certified in accordance with Subsection B of Section VII of this permit and which report the permittee's progress in achieving compliance under the compliance schedule in this permit. Such progress report shall contain those items identified in Section 22a-174-33(q)(1) of the RCSA.

H. COMPLIANCE CERTIFICATIONS [RCSA § 22a-174-33(q)(2)]

The permittee shall submit a certification (received by January 30 for the time period covering the previous calendar year) to the Commissioner and Administrator, in writing, that the terms and conditions and applicable requirements of this permit have been complied with by the permittee. Certifications shall be in accordance with Subsection B of Section VII of this permit. In addition, a compliance certification shall contain those items identified in Section 22a-174-33(q)(2) of the RCSA.

I. PERMIT DEVIATION NOTIFICATIONS [RCSA § 22a-174-33(p)]

Notwithstanding Subsection D of Section VII of this permit, the permittee shall notify the Commissioner in writing, on forms prescribed by the Commissioner, of any deviation from an emissions limitation, and shall identify the cause or likely cause of such deviation, all corrective actions and preventive measures taken with respect thereto, and the dates of such actions and measures as follows:

1. For any hazardous air pollutant, no later than twenty-four (24) hours after such deviation commenced; and
2. For any other regulated air pollutant, no later than ten (10) days after such deviation commenced.

J. PERMIT EXPIRATION AND RENEWAL APPLICATION [RCSA § 22a-174-33(j)(1)(B)]

Upon expiration of this permit, the permittee shall not continue to operate the subject source emissions units unless a timely (as defined in 40 CFR subpart 70.5) and complete renewal application has been submitted pursuant to Sections 22a-174-33(g), -33(h), and -33(i) of the RCSA and 40 CFR subparts 70.5 and 70.7.

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K. OPERATE IN COMPLIANCE [RCSA § 22a-174-33(j)(1)(C)]

The permittee shall operate the Title V source in compliance with the terms of all applicable administrative regulations, the terms of this permit, and any other applicable provisions of law. Any noncompliance with this permit constitutes a violation of the Clean Air Act and Chapter 446c of the Connecticut General Statutes and is grounds for federal and/or state enforcement action; permit termination, revocation, or modification; or denial of a permit renewal application.

L. COMPLIANCE WITH PERMIT [RCSA § 22a-174-33(j)(1)(G)]

This permit shall not be deemed to:

1. preclude the creation or use of emission reduction credits or the trading of such credits in accordance with subparagraphs 22a-174-33(j)(1)(I) and 22a-174-33(j)(1)(P) of the RCSA, provided that the Commissioner's prior written approval of the creation, use, or trading is obtained;
2. authorize emissions of an air pollutant so as to exceed levels prohibited under 40 CFR Part 72;
3. authorize the use of allowances pursuant to 40 CFR Parts 72 through 78, inclusive, as a defense to noncompliance with any other applicable requirement; or
4. impose limits on emissions from items or activities specified in subparagraphs (A) and (B) of subdivision 22a-174-33(g)(3) of the RCSA unless imposition of such limits is required by an applicable requirement.

M. INSPECTION TO DETERMINE COMPLIANCE [RCSA § 22a-174-33(j)(1)(M)]

The Administrator and/or the Commissioner, or a representative thereof may, for the purpose of determining compliance with the permit and other applicable requirements, enter the subject premises at all reasonable times without prior notice, to inspect any facilities, equipment, practices, or operations regulated or required under this permit; to sample or monitor substances or parameters; and to have access to review and copy relevant records lawfully required to be maintained at such source in accordance with this permit. It shall be grounds for permit revocation should entry inspection, sampling, or monitoring be denied or effectively denied, or if access to and the copying of relevant records is denied or effectively denied.

N. PERMIT AVAILABILITY

The permittee shall have available at the facility at all times a copy of this Title V Operating Permit.

O. SEVERABILITY CLAUSE [RCSA § 22a-174-33(j)(1)(R)]

The provisions of this permit are severable. If any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the remainder of this permit and the application of such provision to other circumstances shall not be affected.

P. NEED TO HALT OR REDUCE ACTIVITY [RCSA § 22a-174-33(j)(1)(T)]

The permittee's need to halt or reduce operations at the Title V source shall not be a defense to noncompliance with this permit in an enforcement action concerning a violation of the permit.

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Q. PERMIT REQUIREMENTS [RCSA § 22a-174-33(j)(1)(V)]

The filing of an application by the permittee for a permit modification, reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay compliance with any permit requirement.

R. PROPERTY RIGHTS [RCSA § 22a-174-33(j)(1)(W)]

This permit does not convey any property rights or any exclusive privileges. This permit is subject to, and in no way derogates from any present or future property rights or other rights or powers of the State of Connecticut, and is further subject to any and all public and private rights and to any federal, state or local laws or regulations pertinent to the facility or regulated activity affected thereby, including Section 4-181a(b) of the Connecticut General Statutes and Section 22a-3a-5(b) of the RCSA. This permit shall neither create nor affect any rights of persons who are not parties to this permit.

S. ALTERNATIVE OPERATING SCENARIO RECORDS [RCSA § 22a-174-33(o)(3)]

The permittee shall, contemporaneously with making a change authorized by this permit from one alternative operating scenario to another, maintain a record at the premises indicating when changes are made from one operating scenario to another and shall maintain a record of the current alternative operating scenario.

T. OPERATIONAL FLEXIBILITY AND OFF-PERMIT CHANGES [RCSA § 22a-174-33(r)(2)]

The permittee may engage in any of the activities identified in Section 22a-174-33(r)(2)(A) of the RCSA in accordance with Section 22a-174-33(r)(2)(B) of the RCSA, as long as such activity does not constitute a modification pursuant to Section 22a-174-2a(d)(4) of the RCSA; constitute a modification under 40 CFR Part 60, 61 or 63; constitute an action which would subject the permittee to any standard or other requirement pursuant to 40 CFR 72 to 78, inclusive; or exceed emissions allowable under this permit.

At least seven (7) days before initiating an action specified in subparagraph RCSA § 22a-174-33(r)(2)(A) of the RCSA, the permittee shall notify the Administrator and the Commissioner in writing of such intended action.

U. INFORMATION FOR NOTIFICATION [RCSA § 22a-174-33(r)(2)(A))]

Written notification required under subdivisions 22a-174-33(r)(2) of the RCSA shall include a description of each change to be made, the date on which such change will occur, any change in emissions that may occur as a result of such change, any Title V permit terms and conditions that may be affected by such change, and any applicable requirement that would apply as a result of such change. The permittee shall thereafter maintain a copy of such notice with the Title V permit. The Commissioner and the permittee shall each attach a copy of such notice to their copy of the permit.

V. TRANSFERS [RCSA § 22a-174-2a(g)]

No person other than the permittee shall act or refrain from acting under the authority of this permit unless this permit has been transferred to another person in accordance with Connecticut General Statute Section 22a-60.

Section VII: Title V Requirements

The proposed transferor and transferee of a permit shall submit to the Commissioner a request for a permit transfer on a form provided by the Commissioner. A request for a permit transfer shall be accompanied by any fees required by any applicable provision of the general statutes or regulations adopted thereunder. The Commissioner may also require the proposed transferee to submit with any such request, the information identified in CGS Section 22a-6m.

W. REVOCATION [RCSA § 22a-174-2a(h)]

The Commissioner may revoke this permit on his own initiative or on the request of the permittee or any other person, in accordance with section 4-182c of the Connecticut General Statutes, subsection (d) of section 22a-3a-5 of the RCSA, and any other applicable law. Any such request shall be in writing and contain facts and reasons supporting the request. The permittee requesting revocation of this permit shall state the requested date of revocation and provide the Commissioner with satisfactory evidence that the emissions authorized by this permit have been permanently eliminated.

Pursuant to the Clean Air Act, the Administrator has the power to revoke this permit. Pursuant to the Clean Air Act, the Administrator also has the power to reissue this permit if the Administrator has determined that the Commissioner failed to act in a timely manner on a permit renewal application.

This permit may be modified, revoked, reopened, reissued, or suspended by the Commissioner, or the Administrator in accordance with RCSA § 22a-174-33(r), Connecticut General Statutes Section 22a-174c, or subsection (d) of Section 22a-3a-5.

X. REOPENING FOR CAUSE [RCSA § 22a-174-33(s)]

This permit may be reopened by the Commissioner, or the Administrator in accordance with RCSA § 22a-174-33(s).

Y. CREDIBLE EVIDENCE

Notwithstanding any other provision of this permit, for the purpose of determining compliance or establishing whether a permittee has violated or is in violation of any permit condition, nothing in this permit shall preclude the use, including the exclusive use, of any credible evidence or information.